

03050203-070

(Caw Caw Swamp)

General Description

Watershed 03050203-070 is located in Calhoun and Orangeburg Counties and consists primarily of *Caw Caw Swamp* and its tributaries. The watershed occupies 51,454 acres of the Upper Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Noboco-Wagram-Lakeland-Dothan series. The erodibility of the soil (K) averages 0.12 and the slope of the terrain averages 3%, with a range of 0-6%. Land use/land cover in the watershed includes: 58.0% forested land, 25.7% agricultural land, 6.1% forested wetland (swamp), 4.8% barren land, 4.0% urban land, 1.1% water, and 0.3% nonforested wetland (marsh).

Caw Caw Swamp flows through Redmond Pond and is joined by Murph Mill Creek (Mack Branch, Crim Creek), Sweetwater Lake, Burke Creek, Saddler Swamp, Early Branch, Cooner Branch, and Turkey Hill Branch. Downstream of Turkey Hill Branch, the swamp flows through a 100 acre-lake and drains into the North Fork Edisto River. There are a total of 56.7 stream miles and 348.5 acres of lake waters in this watershed. Caw Caw Swamp is classified FW* (DO not less than 4 mg/l, pH 5.0-8.5) and the remaining streams in the watershed are classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
RS-01021	RS01	FW	MACK BRANCH AT S.C. 6, 5.5 MI W OF ST. MATTHEWS
E-105	W	FW*	CAW CAW SWAMP AT S-38-1032

Caw Caw Swamp (E-105) - Aquatic life uses and recreational uses are fully supported.

Mack Branch (RS-01021) - Aquatic life uses and recreational uses are fully supported. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentration. Although pH excursions were noted, they were typical of values seen in such systems and considered natural, not standards violations.

Nonpoint Source Management Program

Mining Activities

<i>MINING COMPANY</i> <i>MINE NAME</i>	<i>PERMIT #</i> <i>MINERAL</i>
REA CONSTRUCTION CO. MINE #8	0536-75 SAND
LIMESTONE PRODUCTS DUNLAP RODDEY SOIL MINE	1246-75 SAND; SAND/CLAY

Growth Potential

There is a low to moderate potential for urban growth in the northwest section of the City of Orangeburg. Interstate 26 bisects the watershed and includes four interchanges near the Town of St. Matthews. U.S. Highway 601 and a rail line run along the eastern watershed border connecting Orangeburg to St. Matthews.